

Town of Hudson, New Hampshire Industrial Pretreatment Program

2021 Annual Report

February 24, 2022

Prepared by:



FUSS & O'NEILL

50 Commercial Street
Manchester, NH 03101



February 24, 2022

Mr. Elvis Dhima, PE
Ms. Doreena Stickney
Town of Hudson
Engineering Department
12 School Street
Hudson, NH 03051

Re: 2021 Annual Report
Town of Hudson
Industrial Pretreatment Program
Fuss & O'Neill Reference No. 19870160.0990

Dear Mr. Dhima and Ms. Stickney:

We are pleased to submit two copies of the Annual Report for the Town of Hudson Industrial Pretreatment Program. The report briefly describes the program, discusses the status of program industries based on 2021 activities, summarizes 2021 program activities, and presents an outline schedule for 2022.

Please note that per the EPA's request, we have forwarded the State and Federal copies of the Annual Report to the Nashua Wastewater Treatment Facility to be submitted concurrently as part of the City's report.

If you have any questions regarding the report or any element of the program, please call. We look forward to continuing our efforts for this program through the year.

Very truly yours,

Steven W. Reichert, PE
Pretreatment Coordinator

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Enclosures

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cc w/encl.: Douglas Starr, PE, Nashua WWTF
Alexis Rastorguyeff, PE, NHDES - via Douglas Starr, PE, Nashua WWTF
Justin Pimpare, USEPA - via Douglas Starr, PE, Nashua WWTF

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Appendices

A	Industrial User Fact Sheets <ul style="list-style-type: none">• List of Industries Participating in Program<ul style="list-style-type: none">- Significant Industrial User Fact Sheet- Non-significant Industrial User Fact Sheet• Industry Revisions to List Since 2020 Annual Report<ul style="list-style-type: none">- Significant Industrial Users- Non-significant Industrial Users
B	Program Activities <ul style="list-style-type: none">• Pretreatment Performance Summary• 2021 Pretreatment Program Activities Summary
C	Sampling Summary Data <ul style="list-style-type: none">• Significant Industrial User Permit Violations Summary• Non-significant Industrial User Permit Violations Summary
D	Industrial Users Sampling Data (1/1/21 - 12/31/21) <ul style="list-style-type: none">• Group 1 Industries• Group 2 Industries• Group 3 Industries
E	River Crossing Sampling Results <ul style="list-style-type: none">• Main Flume, River Road• Secondary Flume, Pope Technical Park (BAE SYSTEMS), River Road
F	USEPA Pretreatment Annual Report Summary

1.0 Introduction

The Town of Hudson began its Industrial Pretreatment Program in 1986. The objective of the Program is to protect the treatment works and the environment from any adverse impact that may occur when toxic wastes are discharged into the sewage system.

Wastewater generated within Hudson is treated at the City of Nashua Wastewater Treatment Facility. Wastewater crosses the Merrimack River, which separates Hudson and Nashua, at two locations. BAE SYSTEMS Information and Electronic Systems Integration, Inc. (BAE SYSTEMS) has two buildings that share a private sewer force main across the river. The remainder of the sewage for the Town crosses the Merrimack River by means of a siphon.

Hudson conducts its own Industrial Pretreatment Monitoring Program, which is similar to and coordinated with the City of Nashua Industrial Pretreatment Program. The users generate funding for the program. Fuss & O'Neill has been retained by the Town of Hudson to provide professional engineering services related to the Industrial Pretreatment Program. Fuss & O'Neill assists the Town in performing industrial site inspections, coordination of industrial sampling, compliance monitoring, issuance of permits, and communication with the State and Federal authorities. Staffing the program has not been a problem.

The City of Nashua is kept informed of the Town of Hudson's Program through meetings as needed with representatives of Hudson, communications including emails and phone calls, and the Annual Report on the Pretreatment Program.

This Annual Report defines the groups of industries in Hudson and the monitoring requirements for each group. Included is a summary of the compliance status of the industrial users in Hudson. An outline of the sampling program for discharge from Hudson to the Nashua Wastewater Treatment Plant is included in the report. The report concludes with a program status summary and a general schedule for 2022.

2.0 Program Outline

The monitoring requirements for an individual industry are dependent on the type of industry and the composition and quantity of wastewater discharged by that industry. Industrial monitoring performed by the Hudson Industrial Pretreatment Program includes wastewater sampling and analysis, industry site inspections, and the submission of reports by industries.

In accordance with Environmental Protection Agency (EPA) regulations, industries are divided into two broad categories: significant industrial user (SIU) and non-significant industrial user (NSIU). The City of Nashua's definition of a SIU, which Hudson generally utilizes, is as follows:

- a. *A user subject to categorical pretreatment standards; or*
- b. *A user that:*
 - (1) *Discharges an average of twenty-five thousand (25,000) gpd or more of process wastewater to the publicly owned treatment works (POTW) (excluding sanitary, non-contact cooling, and boiler blowdown wastewater);*
 - (2) *Contributes a process wastestream that comprises five percent (5%) or more of the average dry*

weather hydraulic or organic capacity of the POTW; or

- (3) *Is designated as such by the Town or City as having a reasonable potential for adversely affecting the POTW's operation or for violating any pretreatment standard or requirement.*

2.1 Definition of Industry Groups

The Town of Hudson Industrial Pretreatment Program divides SIUs into two groups (1 and 2). NSIUs are also divided into two groups (3 and 4).

2.1.1 Group 1 Industries:

Group 1 industries are SIUs, which are subject to EPA Categorical pretreatment standards based on their particular industrial practices, or have process wastewater requiring large-scale pretreatment. All industries with EPA categorical discharges are included in Group 1. Currently, all of Hudson's Group 1 industries are EPA categorical: three falling into the Metal Finishing point source category, and one falling into the Electrical and Electronic Components point source category.

2.1.2 Group 2 Industries:

Group 2 industries are SIUs which are not EPA categorical, but which have non-domestic wastewater with relatively high pollutant concentrations and/or high flow rates. This category includes discharges which do not require pretreatment, and discharges which require small-scale pretreatment systems to comply with local discharge limits. Only one industry is currently a Group 2 industry.

2.1.3 Group 3 Industries:

Group 3 industries are defined as facilities which discharge non-domestic wastewater into the sewer at low-flow volumes, for which pretreatment is generally not required. The facilities typically manufacture or assemble a product or generate low-volume research and development waste streams. These industries are not considered significant industrial users.

2.1.4 Group 4 Industries:

Industries that assemble, disassemble, or manufacture a product which discharge only domestic wastewater.

2.1.5 Other Industries:

Non-manufacturing industries which discharge only domestic wastewater. These industries are currently not monitored as part of the program.

2.1.6 Dental Facilities:

A list of local dentist offices was assembled and letters were sent to all known offices in the Town of Hudson in May of 2018 and again in August 2020. Based on the 40 CFR 441.50, the letter requested a one-time certification report for amalgam separation be completed by October 12, 2020. We have received certification reports from all known dental offices in Hudson.

A listing of all facilities included in the Industrial Pretreatment Program is found in Table 2.1. Industry contact personnel, facility and mailing addresses, and phone and fax numbers are listed in Appendix A.

TABLE 2.1

List of Participating Industries
(January 2022)

<u>GROUP 1</u>	<u>GROUP 4*</u>	<u>GROUP 4* (Cont.)</u>
Granite Forge, LLC	BAE SYSTEMS Information and	kSaria Corporation
JMD Industries, Inc.	Electronic Systems Integration, Inc.	Mercury Systems, Inc.
(One Park Avenue)	(36 Executive Drive)	MicroGEM NH
(4 Industrial Park Drive)	Bay State Industrial Welding &	Microsembly, LLC
Masimo Semiconductor, Inc.	Fabrication, Inc.	Modern Metal Solutions, LLC
	BT Chemical, Inc.	Molded Rubber & Plastics Corp.
	C & M Machine Products, Inc.	Pneutek, Inc.
	Chiropractic Works	Polartec, LLC
<u>GROUP 2</u>	Colt Recycling, LLC	Rapid Manufacturing
	Concrete Systems, Inc.	RdF Corporation
Morgan Advanced Materials	Duro-Fiber Company, Inc.	RF Logic, LLC
	Gilchrist Metal Fabricating Co., Inc.	RHM International, LLC
	(12 Park Avenue)	Schul International Co.
<u>GROUP 3</u>	(18 Park Avenue)	Semikron Inc.
	Granite State Plastics, Inc.	(11 Executive Drive)
BAE SYSTEMS Information and	Hardric Laboratories, Inc.	(11 Executive Drive,
Electronic Systems Integration, Inc.	Innovative Products & Equipment, Inc.	Bldg. 2 – Rear)
(PTP1)	Integra Biosciences Corporation	Sonic Manufacturing Company
(PTP2)	(22 Friars Drive)	Sparton Technology Corporation
Chomerics, Inc.	(2 Wentworth Drive)	Superior Sheet Metal
FWM, Inc.	Intervala, LLC	TBD Brands, LLC
G5 IR, LLC	(33 Constitution Dr.)	Vaupell Rapid Solutions Inc.
GT Advanced Technologies	(24 Constitution Dr.)	Wikoff Color Corporation
Heilind Electronics	Kase Printing, Inc.	
Incon, Inc.		

* Currently not discharging process waste to sewer.

2.2 Program Requirements for Each Group

Outlined below are the program requirements for each group.

2.2.1 Group 1 and Group 2 Industries (SIUs):

Sampling and Analysis:

- Quarterly random (unscheduled) samples by the Town.
- Semiannual self-monitoring sampling (four days for Group 1, two days for Group 2).
- Semiannual scheduled samples by the Town.

Inspection: Two times per year by the Town.

Industrial User Reporting: Semiannual Self-Monitoring Reporting is required two times per year: July 15th and January 15th.

Permit: New Industrial Discharge Permit required biannually (normally issued in May). The permits issued in 2021 were biannual.

2.2.2 Group 3 Industries:

Sampling and Analysis: Two random samples per year by the Town.

Inspection: One time per year by the Town.

Industrial User Reporting: Annual Report.

Permit: New Industrial Discharge Permit required biannually. The permits issued in 2021 were biannual.

2.2.3 Group 4 Industries:

Sampling and Analysis: Not required.

Inspection: One time per year by the Town.

Industrial User Reporting: Annual Report.

Permit: Domestic Sewer Use Permits required biannually. The permits issued in 2021 were biannual.

2.3 Wastewater Pollutant Concentration Limits

The Hudson Sewer Use Ordinance establishes limits ("local limits") on the concentration of various wastewater pollutants. All Hudson industrial discharges must comply with these limits. Additionally, those industries which fall under Federal Categorical Regulations must comply with pollutant concentration limits contained in those Regulations. Categorical industry discharges must comply with the more restrictive (local or categorical) limit for each pollutant.

Discharge limits generally apply to process wastestreams after pretreatment (if any) and prior to discharge to the sewer and/or mixing with domestic wastestreams. In some cases, for industries not subject to EPA Categorical Regulations, the local discharge limits may be applied to a combined process/domestic wastestream.

For some parameters, categorical industries must comply with both a one-day concentration limit and an average concentration limit. Compliance with the average discharge limits is evaluated based on the results of the four-day self-monitoring sampling.

See Table 2.2 for discharge limits currently applicable in Hudson.

2.4 City of Nashua Technically Based Local Limit Development Program

As mandated by a renewal of Nashua's National Pollutant Discharge Elimination System (NPDES) Permit issued for the Nashua Wastewater Treatment Facility, the City of Nashua developed technically based local discharge limits, which replaced the existing limits in Nashua on July 8, 1997. As a satellite community, Hudson adopted the new local limits after a Public Meeting on August 26, 1997.

Hudson adopted a complete new Sewer Use Ordinance on May 28, 2002. Hudson has updated the Sewer Use Ordinance and submitted a draft to the City of Nashua for review and comment. The City submitted Hudson's draft with its draft for review by the New Hampshire Department of Environmental Services (NHDES) and for approval by the EPA during 2009. We understand that Nashua submitted a revised Sewer Use Ordinance to the EPA in the fall of 2019 which has since been approved by both the EPA and the NHDES. This revised ordinance does not change the allowable maximum concentration limits from the previous ordinance and aligns with the values in the Hudson Sewer Use Ordinance. The Hudson Sewer Use Ordinance will be evaluated with the revised Nashua Ordinance once adopted and updated accordingly.

TABLE 2.2
Discharge Concentration Limits (mg/l)

	LOCAL LIMITS ³	EPA LIMITS ^{3*}			
		40 CFR 433.17 Metal Finishers ⁴		40 CFR 469 Electrical and Electronics ⁵	
	Max. 1-Day	Max. 1-Day	Max. Monthly Avg.	Max. 1-Day	Max. 30-Day Avg.
BOD	250				
Oil & Grease	100	-	-	-	-
pH	6.0-10.5	-	-	-	-
TSS	300	-	-	-	-
Alkalinity (Caustic)	75	-	-	-	-
Phenols	0.83	-	-	-	-
Arsenic	0.16	-	-	2.09	0.83
Boron	17.48	-	-	-	-
Cadmium	0.33	0.11	0.07	-	-
Chromium (Total)	1.85	2.77	1.71	-	-
Chromium (Hex)	1.85	-	-	-	-
Copper	7.53	3.38	2.07	-	-
Lead	1.2	0.69	0.43	-	-
Mercury	0.006	-	-	-	-
Nickel	25.57	3.98	2.38	-	-
Selenium	0.11	-	-	-	-
Silver	1.89 ¹ /0.052 ²	0.43	0.24	-	-
Cyanides	0.19	1.20	0.65	-	-
Sulfates	810	-	-	-	-
Zinc	6.57	2.61	1.48	-	-
Total Toxic Organics (T.T.O.)	5.0	2.13	-	1.37	-
Hydrogen Sulfide	0.55			-	-
Carbon Disulfide	1.17			-	-
Chloroform	1.07			-	-
¹ Photoprocessors ² Nonphotoprocessors ³ More Stringent Limits Apply			⁴ Includes: JMD (One Park Ave.), JMD (4 Industrial Dr.) and Granite Forge ⁵ Includes: Masimo Semiconductor * Required Self-Monitoring for Discharging Industries		

2.5 Significant Noncompliance With Discharge Limits

The Town of Hudson follows the EPA "Pretreatment Compliance Monitoring and Enforcement Guidance Manual" (PCME Manual) in establishing if an industry is in significant noncompliance (SNC). Discharge limit violations which constitute SNC (from PCME Manual) are as follows:

2.5.1 Chronic Violations:

Sixty-six percent or more of the measurements exceed the same daily maximum limit or the same average limit in a six-month period (any magnitude of violation).

2.5.2 Technical Review Criteria (TRC) Violations:

Thirty-three percent or more of the measurements exceed the same daily maximum limit or the same average limit by more than the TRC in a six-month period.

There are two groups of TRCs:

Group I for conventional pollutants
(BOD, TSS, fats, oil and grease)

TRC = 1.4

Group II for all other pollutants, except pH

TRC = 1.2

2.5.3 Detriment to Publicly Owned Treatment Works (POTW):

Any other violation(s) of an effluent limit (average or daily maximum) that the Town of Hudson believes has caused, along or in combination with other discharges, interference (e.g., slug loads) or pass-through; or endangered the health of the sewage treatment personnel or the public.

2.5.4 Endangerment to Human/Environment Health/Welfare:

Any discharge of a pollutant that has caused imminent endangerment to human health/welfare or to the environment and has resulted in the POTW's exercise of its emergency authority to halt or prevent such a discharge.

3.0 Industry Compliance Status

3.1 Reporting

All program Group 1 and Group 2 industries have submitted both required semiannual Self-Monitoring Reports. All Group 3 and Group 4 industries have submitted brief Annual Reports as required.

3.2 Wastewater Analysis

Industry wastewater analysis results for 2021 are detailed below. There were three documented violations.

3.3 Status of Group 1 Industries

Granite Forge, LLC:

Granite Forge is an orthopedic implant manufacturer that does metal finishing. Granite Forge is currently permitted to discharge 420 gallons per day for average process discharge.

Granite Forge began production and discharging in September 2020. Granite Forge had no documented wastewater violations in 2021. All process discharges are monitored under 40 CFR 433.17.

JMD Industries, Inc. (JMD), One Park Avenue:

JMD is a metal finisher. JMD is permitted for 10,050 gallons per day for average process discharge. JMD completed a permit modification in 2021 to allow chemistry changes that reduced the volume and/or toxicity of wastes generated at the facility. No flow changes were made.

JMD's One Park Avenue facility had no documented wastewater violations in 2021. All process discharges are monitored under 40 CFR 433.17.

JMD Industries, Inc. (JMD), 4 Industrial Park Drive:

JMD is a metal finisher that expanded into a second building in 2011. They are permitted for 15,570 gallons per day average process discharge at the 4 Industrial Park Drive location.

JMD's 4 Industrial Park Drive facility had no documented wastewater violations in 2021. All process discharges are monitored under 40 CFR 433.17.

Masimo Semiconductor, Inc. (Masimo):

Masimo is a manufacturer of semiconductors and related devices. Masimo is permitted for a discharge of 4,100 average process gallons per day.

The industry had two documented arsenic violations in 2021 that were due to research and development of a new etching process. The industry changed their procedure requiring that all

process research and development would be isolated from the wastewater system and manifested. All process discharges are monitored under 40 CFR 469.18 and 469.28.

3.4 Status of Group 2 Industries

Morgan Advanced Materials (Morgan):

Morgan is a manufacturer of industrial ceramic products. Morgan completed a permit modification in 2021 to add a cleaning line, make minor changes to the pretreatment system and increase the number of employees. Morgan is now permitted to discharge an average process wastewater flow of 16,360 gallons per day.

Morgan had no documented wastewater violations in 2021.

3.5 Status of Group 3 Industries (Non-significant Industrial Users)

BAE SYSTEMS Information and Electronic Systems Integration, Inc. PTP-1:

BAE SYSTEMS (PTP-1) is primarily a research and development facility. BAE SYSTEMS' (PTP-1) is permitted to discharge an average daily non-domestic flow of 1,542 gallons.

Based upon facility monitoring, BAE SYSTEMS (PTP-1) had no documented violations in 2021.

BAE SYSTEMS Information and Electronic Systems Integration, Inc. PTP-2:

BAE SYSTEMS (PTP-2) is primarily a research and development facility with several non-categorical rinse/contact water testing areas of the facility. The industry is permitted for an average daily process flow of 72 gallons. Cooling water discharges and other non-domestic discharges not directly related to processes are also permitted and monitored (1,052 gpd).

BAE SYSTEMS' (PTP-2) had no documented violations in 2021.

Chomerics, Inc. (Chomerics)

Chomerics is a thermal interface materials/shielding products manufacturing facility, which utilizes a steam chiller and whose discharge requires pH adjustment. Chomerics is permitted to discharge approximately 1,589 gallons per day of non-domestic wastewater that includes a cooling discharge. Chomerics continues to review measures to reduce cooling discharges.

Chomerics had no documented violations in 2021.

FWM, Inc. (FWM):

FWM is a metal fabricator. Road dirt is cleaned from the components prior to assembly into product. Coolants in some equipment used during preparatory machining processes sometimes require removal prior to welding. Two cleaning methods are used: steam cleaning and chemical cleaning. FWM is permitted to discharge 2,088 gallons per day of process flow.

FWM had minimal process flows and sampling demonstrated compliance in 2021.

GT Advanced Technologies (GTAT):

GTAT is a silicon carbide manufacturer. GTAT completed a permit modification in 2021 to add additional process discharges, revise the cooling tower discharges and increase the number of employees. GTAT is now permitted for 4,008 gallons per day of process flow and 372 gallons per day of cooling tower discharge.

GTAT had no documented wastewater violations in 2021.

Heilind Electronics (Heilind):

Heilind is a manufacturer of electrical parts and equipment that is permitted to discharge 60 gallons per day of process flow. Heilind's process discharge results from the dying and washing of connectors.

Heilind had one documented wastewater violation in 2021 for copper. The industry was unable to find a specific cause for the violation but made some process changes to minimize the likelihood of recurrence.

Incon, Inc. (Incon):

Incon is a manufacturer of electronic connectors and is permitted to discharge an average of 12 gallons per day of process flow. Incon's process discharge includes aqueous solder cleaning.

Incon had no documented wastewater violations in 2021.

3.6 Status of Group 4 Industries

All Group 4 industries have submitted Annual Reports. Site inspections were conducted at all operating Group 4 industries.

3.7 Violation Summary and Standard PCME Output

The PCME Pretreatment Performance Summary is included in Appendix B. This Summary is followed by a table itemizing sampling, self-monitoring, and inspection activities for the Hudson Program.

A complete tabular violation summary has been included in Appendix C.

Individual industry summaries of effluent monitoring are included by category in Appendix D.

4.0 River Crossing Monitoring Program

Wastewater entering Nashua from Hudson is sampled for two reasons. The first reason is that as the host community Nashua assesses Hudson a wastewater treatment fee which is based on flow rate, biochemical oxygen demand (BOD), and suspended solids concentrations. Secondly, sampling serves to confirm the effectiveness of the Hudson Industrial Pretreatment Program. If sampling uncovers high pollutant concentrations, an investigation may be initiated to identify and eliminate the source of the contamination.

Wastewater leaving Hudson and entering Nashua crosses the Merrimack River at two locations. The majority of the wastewater crosses the Merrimack River through a siphon. A private second river crossing serves both BAE SYSTEMS facilities at Pope Technical Park. The main river crossing is sampled every two months at the siphon, and the second river crossing is sampled quarterly. Parameters that are analyzed are listed in Table 4.1.

When the main river crossing is sampled, the Nashua Wastewater Treatment Plant is informed so that they can request a split sample. Sampling results are sent to the Town of Hudson, Fuss & O'Neill, and the Nashua Wastewater Treatment Plant.

Analysis results from 2021 for the main and secondary river crossings are presented in Appendix E. Sampling at the crossings indicated that the combined residential, commercial, and industrial wastewater from Hudson conformed generally to the local limits.

The main flume and secondary flume sampling programs both showed compliance with local limits for 2021.

In summary, sampling results at the two crossings indicate that the Hudson Industrial Pretreatment Program is effective in managing industrial discharges to meet local discharge limits and those in Nashua as well.

TABLE 4.1

Scheduled Sampling and Analysis at River Crossings

Analysis for BOD, TSS, pH

Main Crossing: February, April, August, October

Secondary Crossing: February, August

Analysis for Full Range of Pollutants*

Main Crossing: June, December

Secondary Crossing: June, December

* Full Range of Pollutants:

- | | |
|----------------|--|
| - BOD | - Cadmium |
| - TSS | - Chromium |
| - pH | - Copper |
| - Cyanide | - Lead |
| - Oil & Grease | - Mercury |
| - Phenol | - Nickel |
| - Sulfate | - Selenium |
| - Sulfide | - Silver |
| - Alkalinity | - Zinc |
| - Arsenic | - V.O.A. |
| - Boron | - Acid, base, and neutral extractables |

5.0 Program Status

5.1 2021 Summary

In 2021, wastewater sampling was conducted by Chemserve, the Town's contract laboratory, at all discharging Group 1, Group 2, and Group 3 industries, and at the river crossings to Nashua. Non-sampling inspections were conducted by Fuss & O'Neill at all program industries. Covid-19 restrictions did not impact the sampling and inspection program, other than the use of additional PPE and social distancing practices during these activities. All of the permitted industries were cooperative and provided acceptable access for sampling and inspections. On behalf of the Town, Fuss & O'Neill reviewed several applications for new commercial and industrial sewer connections and new or changed discharges and processes at existing facilities. Renewal permits were issued in 2021 (biannual basis) to Group 1, Group 2, Group 3 and Group 4 users. These permits are valid until June 2023.

Throughout the year, Fuss & O'Neill informed the Town of Hudson and Nashua Wastewater Treatment Facility personnel of program activity via meetings and correspondence.

Appendix B tabulates 2021 program activities.

5.2 Proposed Program Schedule for 2022

Table 5.1 presents an outline schedule for routine program activities in 2022.

TABLE 5. 1 (Page 1)

Hudson Industrial Pretreatment Program 2022 Schedule

	<u>1ST QUARTER</u>			<u>2ND QUARTER</u>		
	January	February	March	April	May	June
1. Sampling and Analysis	Town random sampling; Groups 1 & 2 industries	Main Flume and PTP Flume sampling (BOD, pH, TSS)	Work Orders for April	Town random sampling; Groups 1,2 & 3 industries Main Flume sampling (BOD, pH, TSS) Work orders for May and June	Self-Monitoring sampling by Groups 1 & 2 industries Town scheduled sampling; Groups 1 & 2 industries	Work orders for July and August Main Flume and PTP Flume sampling (Broad range of pollutants)
2. Inspection, notifications, industrial user reporting	Self-Monitoring and Annual Reports due; Groups 1, 2, 3 & 4 industries (January 15)	Begin Inspection of Group 1 & 2 Industries	Ongoing Inspection of Group 1 & 2 Industries	Self-Monitoring Report Reminder Group 1 & 2 industries	Ongoing Inspection of Group 1 & 2 Industries	Begin Inspection of Group 3 & 4 Industries
3. Compliance monitoring and permits			Memo regarding compliance Status			Memo regarding compliance Status
4. Control authority reporting		Submit Program Annual Report for 2021	Meet with Nashua WWTP as Needed			Meet with Nashua WWTP as Needed

TABLE 5. 1 (Page 2)

Hudson Industrial Pretreatment Program 2022 Schedule

	<u>3RD QUARTER</u>			<u>4TH QUARTER</u>		
	July	August	September	October	November	December
1. Sampling and Analysis	Town random sampling; Groups 1 & 2 industries	Main Flume and PTP Flume sampling (BOD, pH, TSS)	Work Orders for October	Town random sampling; Groups 1,2 & 3 industries Main Flume sampling (BOD, pH, TSS) Work orders for November and December	Self-Monitoring sampling by Groups 1 & 2 industries Town scheduled sampling; Groups 1 & 2 industries	Work orders for January and February Main Flume and PTP Flume sampling (Broad range of pollutants)
2. Inspection, notifications, industrial user reporting	Self-Monitoring due; Groups 1 & 2 industries (July 15)	Begin 2 nd Half Inspection of Group 1 & 2 Industries	Ongoing 2 nd Half Inspection of Group 1 & 2 Industries Ongoing Inspection Group 3 & 4 Industries	Self-Monitoring Report Reminder Group 1 & 2 industries Ongoing Inspections	Ongoing Inspections	
3. Compliance monitoring and permits			Memo regarding compliance Status			Memo regarding compliance Status
4. Control authority reporting		Meet with Nashua WWTP as Needed			Begin program Annual Report for 2022	Meet with Nashua WWTP as Needed

Appendix A

Industrial User Fact Sheets

LIST OF INDUSTRIES PARTICIPATING IN PROGRAM

- Significant Industrial User Fact Sheet
(Group 1 and Group 2 Industries)
- Non-significant Industrial User Fact Sheet
(Group 3 and Group 4 Industries)

INDUSTRY REVISIONS TO LIST SINCE 2020 ANNUAL REPORT

- Significant Industrial Users
- Non-significant Industrial Users



SIGNIFICANT INDUSTRIAL USER FACT SHEET
(GROUP 1 AND GROUP 2 INDUSTRIES)

SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 1 AND GROUP 2 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Granite Forge, LLC 32 Executive Drive Hudson, NH 03051 Mail: 32 Executive Drive Hudson, NH 03051 Contact: Mel Speidel COO Phone: 603-589-9480 Fax: Bus. Phone: 603-589-9480 E-Mail: mspeidel@granite-forge.com	1	40 CRF 433.17	Y	87-0160.2440	Main	730	1100	N/A
						Process: 420	500	
						Domestic: 280	560	
						Other: 30	40	
JMD Industries, Inc. One Park Avenue Hudson, NH 03051 Mail: One Park Avenue Hudson, NH 03051 Contact: Allison Viger Vice President Phone: 603-882-3198 Fax: 603-882-7747 Bus. Phone: 603-882-3198 E-Mail: allison@jmdindustries.com	1	40 CFR 433.17	Y	87-0160.0550	Main	10700	14680	Continuous and batch; microfiltration and neutralization
						Process: 10050	13380	
						Domestic: 650	1300	
JMD Industries, Inc. 4 Industrial Drive Hudson, NH 03051 Mail: One Park Avenue Hudson, NH 03051 Contact: Allison Viger Vice President Phone: 603-882-3198 Fax: 603-882-7747 Bus. Phone: 603-882-3198 E-Mail: allison@jmdindustries.com	1	40 CFR 433.17	Y	87-0160.1550	Main	16000	27000	Continuous; metal precipitation, neutralization
						Process: 15570	26410	
						Domestic: 430	590	

SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 1 AND GROUP 2 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Masimo Semiconductor, Inc. 25 Sagamore Park Road Hudson, NH 03051 Mail: 25 Sagamore Park Road Hudson, NH 03051 Contact: Bogdan Golja Senior Manager, Manufacturing and Production Phone: 603-689-1218 Fax: 603-595-0975 Bus. Phone: 603-595-8900 E-Mail: bgolja@masimosemi.com	1	40 CFR 469.18 & 469.28	Y	87- 0160.1220	Main	5100 Process: 4100 Domestic: 1000	6400 4350 2050	Neutralization and arsenic removal
Morgan Advanced Materials 4 Park Avenue Hudson, NH 03051 Mail: 4 Park Avenue Hudson, NH 03051 Contact: Craig Steele Facilities - EHS Coordinator Phone: 603-689-2088 Fax: 603-598-9126 Bus. Phone: 603-598-9122 E-Mail: craig.steele@morganplc.com	2	N/A	Y	87- 0160.0540	Main	16960 Process: 16360 Domestic: 600	29650 28450 1200	Continuous; pH control, cyanide destruction system

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET
(GROUP 3 AND GROUP 4 INDUSTRIES)

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Approved Sheet Metal 31 Sagamore Park Road Hudson, NH 03051 Mail: 31 Sagamore Park Road Hudson, NH 03051 Contact: Steve Lynch General Manager Phone: 603-883-1510 Fax: Bus. Phone: 603-883-1510 E-Mail: steve@approvedsheetmetal.com	4	N/A	N	87- 0160.0380	Main	1450	1450	N/A
						Process: 0	0	
						Domestic: 1450	1450	
BAE SYSTEMS Information and Electronic Systems Integration, Inc. 65 River Road (PTP1) Hudson, NH 03051 Mail: PO Box 868, PTP-01-1879 Nashua, NH 03061-0868 Contact: Christopher D. Morrow PTP/LIT/HNH Facilities Manager (I/C) Phone: 603-885-2022 Fax: Bus. Phone: 603-885-2022 E-Mail: christopher.d.morrow@baesystem.com	3	N/A	Y	87- 0160.0130	Secondary	30524	67935	Chemically treated cooling
						Process: 0	0	
						Domestic: 28982	59415	
						Other: 1542	8520	
BAE SYSTEMS Information and Electronic Systems Integration, Inc. 65 River Road (PTP2) Hudson, NH 03051 Mail: PO Box 868, PTP-01-1879 Nashua, NH 03061-0868 Contact: Christopher D. Morrow PTP/LIT/HNH Facilities Manager (I/C) Phone: 603-885-2022 Fax: Bus. Phone: 603-885-2022 E-Mail: christopher.d.morrow@baesystem.com	3	N/A	Y	87- 0160.1130	Secondary	32380	77072	Chemically treated cooling
						Process: 72	6602	
						Domestic: 31256	62514	
						Other: 1052	7956	

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
BAE SYSTEMS Information and Electronic Systems Integration, Inc. 36A Executive Drive, Suite A (HNH36) Hudson, NH 03051 Mail: PO Box 868, PTP-01-1879 Nashua, NH 03061-0868 Contact: Christopher D. Morrow PTP/LIT/HNH Facilities Manager (I/C) Phone: 603-885-2022 Fax: Bus. Phone: 603-885-2022 E-Mail: christopher.d.morrow@baesystem s.com	4	N/A	N	87- 0160.2130	Main	825 Process: 0 Domestic: 825	1650 0 1650	N/A
Bay State Industrial Welding & Fabrication, Inc. 10 Flagstone Drive Hudson, NH 03051 Mail: 10 Flagstone Drive Hudson, NH 03051 Contact: Ed Marquis Senior Project Manager Phone: 603-881-7663 Fax: 603-881-8052 Bus. Phone: 603-881-7663 E-Mail: marquise@bsiw.com	4	N/A	N	87- 0160.0870	Main	275 Process: 0 Domestic: 275	550 0 550	N/A
BT Chemical, Inc. 9-11 Sagamore Park Road Hudson, NH 03051 Mail: 9-11 Sagamore Park Road Hudson, NH 03051 Contact: Aaron Frederick General Manager Phone: 603-402-2234 Fax: 603-402-9713 Bus. Phone: 603-402-2234 E-Mail: aaron.frederick@beantownchem.c om	4	N/A	N	87- 0160.1160	Main	500 Process: 0 Domestic: 500	1000 0 1000	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
C & M Machine Products, Inc. 25 Flagstone Drive Hudson, NH 03051 Mail: 25 Flagstone Drive Hudson, NH 03051 Contact: Aaron Villemaire Facilities Manager Phone: 603-889-1330 x. 123 Fax: 603-889-2514 Bus. Phone: 603-889-1330 E-Mail: A.Villemaire@cmprecisiontech.com	4	N/A	N	87- 0160.2430	Main	1325	2520	N/A
						Process: 0	0	
						Domestic: 1325	2520	
Chiropractic Works 28 Lowell Road #5 Hudson, NH 03051 Mail: 28 Lowell Road #5 Hudson, NH 03051 Contact: Dr. Scott Szela Owner Phone: 603-595-2205 Fax: 603-595-2650 Bus. Phone: 603-595-2205 E-Mail: drscottszela@gmail.com	4	N/A	N	87- 0160.0950	Main	150	250	N/A
						Process: 0	0	
						Domestic: 150	250	
Chomerics, Inc. 16 Flagstone Drive Hudson, NH 03051 Mail: 16 Flagstone Drive Hudson, NH 03051 Contact: Shawne Deary Chomerics Americas EHS Manager Phone: 603-579-5732 Fax: 603-598-8250 Bus. Phone: 603-579-5736 E-Mail: sdeary@parker.com	3	N/A	Y	87- 0160.0450	Main	2989	4889	Continuous; pH adjustment
						Process: 0	0	
						Domestic: 1400	2800	
						Other: 1589	2089	

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Colt Recycling, LLC 6 Hampshire Drive Hudson, NH 03051 Mail: 6 Hampshire Drive Hudson, NH 03051 Contact: Donna Mitchell Operations Manager Phone: 603-886-9119 Fax: 603-886-9279 Bus. Phone: 603-886-9119 E-Mail: dmitchell@coltre recycling.com	4	N/A	N	87- 0160.1450	Main	454	1020	Oil Water Separator
						Process: 0	0	
						Domestic: 450	900	
						Other: 4	120	
Concrete Systems, Inc. 9 Commercial Street Hudson, NH 03051 Mail: 9 Commercial Street Hudson, NH 03051 Contact: David Kobisky, Sr./Rick Perrino Plant Manager Phone: 603-889-4163 x. 430 Fax: 603-889-2417 Bus. Phone: 603-889-4163 E-Mail: dkobisky@csigroup.com, rperrino@csigroup.com	4	N/A	N	87- 0160.0300	Main	1000	1000	N/A
						Process: 0	0	
						Domestic: 1000	1000	
Duro-Fiber Company, Inc. 11 Park Avenue Hudson, NH 03051 Mail: 11 Park Avenue Hudson, NH 03051 Contact: Robert Johnson Vice President Phone: 603-881-4200 Fax: 603-881-4237 Bus. Phone: 603-881-4200 E-Mail: rob@durofiber.com	4	N/A	N	87- 0160.1310	Main	150	300	N/A
						Process: 0	0	
						Domestic: 150	300	

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
FWM, Inc. 11 Friars Drive Hudson, NH 03051 Mail: 11 Friars Drive Hudson, NH 03051 Contact: Michael J. Barry, Sr. President Phone: 603-578-3366 Fax: 603-578-5585 Bus. Phone: 603-578-3366 E-Mail: MJBarry@FWMINC.com	3	N/A	Y	87- 0160.0690	Main	2788 Process: 2088 Domestic: 700	3657 2782 875	N/A
G5 IR, LLC 12 Executive Drive Hudson, NH 03051 Mail: 12 Executive Drive Hudson, NH 03051 Contact: Chris Rouette TF Manager Phone: 603-204-5722 Fax: Bus. Phone: 603-204-5722 E-Mail: chrouette@g5ir.com	3	N/A	Y	87- 0160.2650	Main	370 Process: 30 Domestic: 340	740 60 680	N/A
Gilchrist Metal Fabricating Co., Inc. 18 Park Avenue Hudson, NH 03051 Mail: 18 Park Avenue Hudson, NH 03051 Contact: Lisette Fermin Human Resource Director Phone: 603-889-2600 x.118 Fax: 603-889-2489 Bus. Phone: 603-889-2600 E-Mail: lfermin@gmfco.com	4	N/A	N	87- 0160.0250	Main	715 Process: 0 Domestic: 715	1760 0 1760	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Gilchrist Metal Fabricating Co., Inc. 12 Park Avenue Hudson, NH 03051 Mail: 18 Park Avenue Hudson, NH 03051 Contact: Lisette Fermin Human Resource Director Phone: 603-889-2600 x. 118 Fax: 603-889-2489 Bus. Phone: 603-889-2600 E-Mail: lfermin@gmfco.com	4	N/A	N	87- 0160.0650	Main	180 Process: 0 Domestic: 180	360 0 360	N/A
Granite State Plastics, Inc. 37 Executive Drive Hudson, NH 03051 Mail: 37 Executive Drive Hudson, NH 03051 Contact: Jenn Hayden Director, Administration & Finance Phone: 603-595-7790 Fax: 603-595-1451 Bus. Phone: 603-595-7790 E-Mail: jhayden@gspnh.com	4	N/A	N	87- 0160.0720	Main	730 Process: 0 Domestic: 730	1460 0 1460	N/A
GT Advanced Technologies 5 Wentworth Drive Hudson, NH 03051 Mail: 5 Wentworth Drive Hudson, NH 03051 Contact: Glenn Whalen Facilities Manager Phone: 603-417-2242 Fax: Bus. Phone: 603-320-7165 E-Mail: glenn.whelen@gtat.com	3	N/A	Y	87- 0160.2620	Main	6015 Process: 4008 Domestic: 1635 Other: 372	74411 8016 3270 63125	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Hardric Laboratories, Inc. 22 Flagstone Drive Hudson, NH 03051 Mail: 22 Flagstone Drive Hudson, NH 03051 Contact: Ray Charbonnier President Phone: 603-484-4512 Fax: 603-521-8254 Bus. Phone: 603-484-4512 E-Mail: raychabonnier@hardric.com	4	N/A	N	87- 0160.2630	Main	490	980	N/A
						Process: 0	0	
						Domestic: 490	980	
Heilind Electronics 18 Industrial Drive Hudson, NH 03051 Mail: 18 Industrial Drive Hudson, NH 03051 Contact: Bob Lerman Division Manager Phone: 603-598-6906 Fax: 603-882-7804 Bus. Phone: 603-598-6906 E-Mail: rlerman@heilind.com	3	N/A	Y	87- 0160.1530	Main	1072	2140	N/A
						Process: 60	120	
						Domestic: 1012	2020	
Incon, Inc. 21 Flagstone Drive Hudson, NH 03051 Mail: 21 Flagstone Drive Hudson, NH 03051 Contact: Kerrie Secchiaroli General Manager Phone: 603-595-0550 x. 20 Fax: 603-595-0555 Bus. Phone: 603-595-0550 E-Mail: ksecchiaroli@inconconnector.com	3	N/A	Y	87- 0160.1350	Main	712	1420	Mixed bed deionization system
						Process: 12	20	
						Domestic: 700	1400	

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Innovative Products & Equipment, Inc. 20 Executive Drive Hudson, NH 03051 Mail: 20 Executive Drive Hudson, NH 03051 Contact: Dale R. Beaver President Phone: 603-246-5858 Fax: None Bus. Phone: 603-246-5858 E-Mail: dbeaver@ipeinc.com	4	N/A	N	87- 0160.2610	Main	1000 Process: 0 Domestic: 1000	2000 0 2000	N/A
Integra Biosciences Corp. 2 Wentworth Drive Hudson, NH 03051 Mail: 2 Wentworth Drive Hudson, NH 03051 Contact: David Nelson Manager - Logistics Phone: 603-578-5800 Fax: 603-577-5529 Bus. Phone: 603-578-5800 E-Mail: david.nelson@integra- biosciences.com	4	N/A	N	87- 0160.1470	Main	1125 Process: 0 Domestic: 1125	2250 0 2250	N/A
Integra Biosciences Corp. 22 Friars Drive Hudson, NH 03051 Mail: 2 Wentworth Drive Hudson, NH 03051 Contact: Robert Fougere CFO Phone: 603-578-5800 x711 Fax: Bus. Phone: 603-578-5800 E-Mail: robert.fougere@integra- biosciences.com	4	N/A	N	87- 0160.2480	Main	705 Process: 0 Domestic: 705	1410 0 1410	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Intervala, LLC 33 Constitution Drive Hudson, NH 03051 Mail: 33 Constitution Drive Hudson, NH 03051 Contact: Pammy Beam Quality Engineer Phone: 603-595-1987 x135 Fax: 603-595-8277 Bus. Phone: 603-595-1987 -Mail: pammy.beam@intervala.com	4	N/A	N	87- 0160.1230	Main	1050 Process: 0 Domestic: 1050	2100 0 2100	N/A
Intervala, LLC 24 Constitution Drive Hudson, NH 03051 Mail: 33 Constitution Drive Hudson, NH 03051 Contact: Matthew Rouleau VP of Manufacturing Phone: 603-595-1987 x 141 Fax: 603-595-8277 Bus. Phone: 603-595-1987 E-Mail: matthew.rouleau@intervala.com	4	N/A	N	87- 0160.2220	Main	280 Process: 0 Domestic: 280	560 0 560	N/A
Kase Printing, Inc. 13 Hampshire Drive, Unit #18 Hudson, NH 03051 Mail: 13 Hampshire Drive, Unit #18 Hudson, NH 03051 Contact: Jean Koumantzelis V.P. of Administration Phone: 603-821-7004 x. 216 Fax: 603-318-7041 Bus. Phone: 603-883-9223 E-Mail: jean@kaseprinting.com	4	N/A	N	87- 0160.1420	Main	1900 Process: 0 Domestic: 1900	3200 0 3200	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
KSARIA Corporation 6 Wentworth Drive Hudson, NH 03051 Mail: 6 Wentworth Drive Hudson, NH 03051 Contact: Tim Hendricks VP, General Manager Phone: 603-930-3677 Fax: Bus. Phone: 603-930-3677 E-Mail: thendricks@ksaria.com	4	N/A	N	87- 0160.2640	Main	1250 Process: 0 Domestic: 1250	2500 0 2500	N/A
Mercury Systems, Inc. 267 Lowell Road, Suite 101 Hudson, NH 03051 Mail: 267 Lowell Road, Suite 101 Hudson, NH 03051 Contact: Christian Feliciano Int. Assembly Technician Phone: 978-967-1223 Fax: 603-546-4199 Bus. Phone: 603-546-4100 E-Mail: christian.feliciano@mrco.com	4	N/A	N	87- 0160.2320	Main	3810 Process: 0 Domestic: 3809 Other: 1	7620 0 7618 2	N/A
MicroGEM NH One Wall Street, Suites D-104 & S-115 Hudson, NH 03051 Mail: One Wall Street, Suite D-104 & S-115 Hudson, NH 03051 Contact: Thomas Moran Chief Operating Officer Phone: 603-883-1071 Fax: Bus. Phone: E-Mail: tmoran@jumpstartmfgllc.com	4	N/A	N	87- 0160.2460	Main	5600 Process: 0 Domestic: 5600	11200 0 11200	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Microsembly LLC One Wall Street, Suite C-103 Hudson, NH 03051 Mail: One Wall Street, Suite C-103 Hudson, NH 03051 Contact: Cara Smith Operations Manager Phone: 603-718-8445 Fax: Bus. Phone: 603-718-8445 E-Mail: csmith@microsembly.com	4	N/A	N	87- 0160.2490	Main	10 Process: 0 Domestic: 10	20 0 20	N/A
Modern Metal Solutions, LLC 12 Park Avenue Hudson, NH 03051 Mail: 12 Park Avenue Hudson, NH 03051 Contact: Christopher Aubrey Owner Phone: 603-402-3022 Fax: Bus. Phone: 603-402-3022 E-Mail: caubrey@modern-metal-solutions.com	4	N/A	N	87- 0160.2520	Main	150 Process: 0 Domestic: 150	300 0 300	N/A
MRPC (Molded Rubber & Plastic Corporation) 12 Executive Drive Hudson, NH 03051 Mail: 12 Executive Drive Hudson, NH 03051 Contact: Troy Levesque Plant Operations Manager Phone: 603-880-3616 x. 121 Fax: 603-595-7840 Bus. Phone: 603-880-3616 E-Mail: troy.levesque@mrpcorp.com	4	40 CFR 463	N	87- 0160.1190	Main	664 Process: 0 Domestic: 664	1537 0 1537	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Pneutek, Inc. 17 Friars Drive, Units 1-7 Hudson, NH 03051 Mail: 17 Friars Drive, Units 1-7 Hudson, NH 03051 Contact: Karen Tuthill Vice President Phone: 603-883-1660 x. 221 Fax: 603-882-9165 Bus. Phone: 603-883-1660 E-Mail: ktuthill@pneutek.com	4	N/A	N	87-0160.0890	Main	160	480	N/A
						Process: 0	0	
						Domestic: 160	480	
Polartec, LLC 8 Industrial Drive Hudson, NH 03051 Mail: 8 Industrial Drive Hudson, NH 03051 Contact: John Blackwell Plant Manager Phone: 603-883-4203 Fax: Bus. Phone: 978-390-3188 E-Mail: blackwellj@polartec.com	4	N/A	N	87-0160.0310	Main	3200	3200	
						Process: 0	0	
						Domestic: 3200	3200	
Rapid Manufacturing 32 Executive Drive Hudson, NH 03051 Mail: 32 Executive Drive Hudson, NH 03051 Contact: Ashley Lang Operations Manager Phone: 603-400-2386 Fax: 603-204-5678 Bus. Phone: 603-402-2269 E-Mail: ashleym@rapidmfg.com	4	N/A	N	87-0160.1170	Main	250	500	N/A
						Process: 0	0	
						Domestic: 250	500	

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
RdF Corporation 23 Elm Avenue Hudson, NH 03051 Mail: 23 Elm Avenue Hudson, NH 03051 Contact: David P. Carignan Engineering Manager Phone: 603-882-5195 Fax: 603-882-6925 Bus. Phone: 603-882-5195 -Mail: dcarignan@rdfcorp.com	4	40 CFR 433.17 (No Categorical or Process Discharge)	N	87- 0160.0240	Main	1545	1545	Closed loop batch neutralization and settlement
RF Logic, LLC 21 Park Avenue Hudson, NH 03051 Mail: 21 Park Avenue Hudson, NH 03051 Contact: Phil Lausier Owner Phone: 603-578-9876 x. 305 Fax: 603-546-0249 Bus. Phone: 603-578-9876 E-Mail: plausier@603mfg.com	4	N/A	N	87- 0160.1300	Main	840	1680	N/A
RHM International, LLC 29 Flagstone Drive Hudson, NH 03051 Mail: 29 Flagstone Drive Hudson, NH 03051 Contact: John Paul Robichaud Facilities Manager Phone: 781-654-5324 Fax: 617-608-0274 Bus. Phone: 978-761-7289 E-Mail: john.robichaud@rhmintl.com	4	N/A	N	87- 0160.2600	Main	4000	5500	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Schul International Co. 34 Executive Drive Hudson, NH 03051 Mail: 34 Executive Drive Hudson, NH 03051 Contact: Nick Fiorilla Operations Phone: 603-889-6872 Fax: 603-889-6874 Bus. Phone: 603-889-6872 E-Mail: nicholasfiorilla@schul.com	4	N/A	N	87- 0160.1140	Main	540 Process: 0 Domestic: 540	900 0 900	N/A
Semikron Inc. 11 Executive Drive Hudson, NH 03051 Mail: 11 Executive Drive Hudson, NH 03051 Contact: Bob Moffatt Purchasing Phone: 603-883-8102 x. 108 Fax: 603-883-8021 Bus. Phone: 603-883-8102 E-Mail: bob.moffatt@semikron.com	4	N/A	N	87- 0160.1210	Main	546 Process: 0 Domestic: 546	1230 0 1230	N/A
Semikron Inc. 11 Executive Drive, Bldg 2 (Rear) Hudson, NH 03051 Mail: 11 Executive Drive Hudson, NH 03051 Contact: Bob Moffatt Purchasing Phone: 603-883-8102 x. 108 Fax: 603-883-8021 Bus. Phone: 603-883-8102 E-Mail: bob.moffatt@semikron.com	4	N/A	N	87- 0160.0180	Main	300 Process: 0 Domestic: 300	300 0 300	N/A

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
Sonic Manufacturing Company 35 Sagamore Park Road Hudson, NH 03051 Mail: 35 Sagamore Park Road Hudson, NH 03051 Contact: Thomas Glasheen President Phone: 603-882-1004 x. 323 Fax: 603-889-1056 Bus. Phone: 603-882-1004 E-Mail: tglasheen@sonicmanco.com	4	N/A	N	87- 0160.1480	Main	600	1200	N/A
						Process: 0	0	
						Domestic: 600	1200	
Sparton Technology Corporation 8 Hampshire Drive Hudson, NH 03051 Mail: 8 Hampshire Drive Hudson, NH 03051 Contact: Michael S. Breton Vice President of Finance; Corp. Secretary Phone: 603-880-3692 Fax: 603-883-3400 Bus. Phone: 603-880-3692 E-Mail: mikeb@sparton.biz	4	N/A	N	87- 0160.1510	Main	710	1420	N/A
						Process: 0	0	
						Domestic: 710	1420	
Superior Sheet Metal 14 Flagstone Drive Hudson, NH 03051 Mail: 14 Flagstone Drive Hudson, NH 03051 Contact: Tom Atkinson Owner Phone: 603-577-8620 x15 Fax: 866-468-3808 Bus. Phone: 866-468-3828 E-Mail: tatkinson@superiorsm.com	4	N/A	Y	87- 0160.1400	Main	2200	4200	N/A
						Process: 0	0	
						Domestic: 2200	4200	

NON-SIGNIFICANT INDUSTRIAL USER FACT SHEET (GROUP 3 AND GROUP 4 INDUSTRIES)

Industrial User Name/Address	Hudson Program Group	EPA Category	Subject to Local Limits	Industrial Permit No.	River Crossing to Nashua	Permitted Flow (GPD)		Description of Pretreatment
						Avg.	Max.	
TBD Brands, LLC 17 Hampshire Drive, Unit 8 Hudson, NH 03051 Mail: 7 Beech Hill Road Exeter, NH 03833 Contact: Jen Chase Operations Manager Phone: 603-775-7772 Fax: 603-775-7771 Bus. Phone: 603-775-7772 E-Mail: jen@yoghund.com	4	N/A	N	87- 0160.1600	Main	42 Process: 12 Domestic: 30	90 30 60	N/A
Vaupell Rapid Solutions Inc. 20 Executive Drive Hudson, NH 03051 Mail: 20 Executive Drive Hudson, NH 03051 Contact: John Kosciw Facilities and Maintenance Manager Phone: 413-372-7024 Fax: Bus. Phone: 603-577-9970 E-Mail: John.Kosciw@vaupell.com	4	N/A	N	87- 0160.0410	Main	550 Process: 0 Domestic: 550	1100 0 1100	N/A
Wikoff Color Corporation 4 Hampshire Drive Hudson, NH 03051 Mail: 4 Hampshire Drive Hudson, NH 03051 Contact: Ryan Lomme Plant Manager Phone: 603-864-6456 Fax: 603-864-6464 Bus. Phone: 603-864-6456 E-Mail: ryan.lomme@wikoff.com	4	N/A	N	87- 0160.1360	Main	450 Process: 0 Domestic: 450	900 0 900	N/A

INDUSTRY REVISIONS TO LIST SINCE 2020 ANNUAL REPORT
SIGNIFICANT INDUSTRIAL USERS



INDUSTRY REVISIONS TO LIST SINCE 2020 ANNUAL REPORT
SIGNIFICANT INDUSTRIAL USERS

<u>Industry</u>	<u>Revisions</u>
JMD Industries, Inc. (One Park Avenue)	Permit modification in February 2021 for a change in chemistry. No change to the permitted flow.
Morgan Advanced Materials	Permit modification in July 2021 for an increase to average process flow to 16,360 gpd from 12,960 gpd. The domestic flow was also increased to 600 gpd average from 525 gpd.

INDUSTRY REVISIONS TO LIST SINCE 2020 ANNUAL REPORT
NON-SIGNIFICANT INDUSTRIAL USERS

INDUSTRY REVISIONS TO LIST SINCE 2020 ANNUAL REPORT NON-SIGNIFICANT INDUSTRIAL USERS

<u>Industry</u>	<u>Revisions</u>
Approved Sheet Metal	Industry moved to Security Drive which is not within the Hudson Sewer District and the permit was closed in June 2021.
Colt Recycling, LLC	Permit modification in April 2021 to add compressor condensate discharge of 4 gpd as a non-process discharge. The domestic was also increased to 450 gpd average from 400 gpd.
G5 IR, LLC	New industry permitted in August 2021 for 30 gpd average process discharge and 340 gpd domestic discharge.
GT Advanced Technologies	The industry contact was changed to Glenn Whalen, Facilities Manager.
Intervala, LLC (33 Constitution Drive)	The industry contact was changed to Pammy Beam, Quality Engineer.
KSARIA Corporation	New industry permitted in March 2021 for 1,250 gpd average domestic discharge.
MicroGEM NH	New industry permitted in March 2021 for 5,600 gpd average domestic discharge.
Polartec, LLC	The industry contact was changed to John Blackwell, Plant Manager.
Vaupell Rapid Solutions, Inc.	The industry contact was changed to John Kosciw, Facilities and Maintenance Manager.

Appendix B

Program Activities

PRETREATMENT PERFORMANCE SUMMARY
2021 PRETREATMENT PROGRAM ACTIVITIES SUMMARY

PRETREATMENT PERFORMANCE SUMMARY

PRETREATMENT PERFORMANCE SUMMARY

Reporting Period: 01/01/21 to 12/31/21

Town of Hudson
Elvis Dhima, PE
Town Engineer
12 School Street
Hudson, NH 03051
Phone: (603) 886-6008

Contact Person (Consultant):
Steven W. Reichert, PE
Fuss & O'Neill
50 Commercial Street
Manchester, NH 03101
Phone: (603) 668-8223

	SIU		NSIU		
	GRP 1	GRP 2	GRP 3	GRP 4	TOTAL
I. PERMITTING					
1) Number of Industrial Users	4	1	8	40 ^[3]	53
2) Active Control Documents	4	1	8	40 ^[3]	53
II. COMPLIANCE					
1) Significant Non-compliance for:					
a) Any reason	0	0	0	0	0
b) Effluent Discharge Violations					
- Local Limits	1	0	1	0	2
c) Effluent Discharge Violations					
- Categorical Limits	0	N/A	N/A	N/A	0
d) Reporting	0	0	0	0	0
e) Compliance Schedules	0	0	0	0	0
III. MONITORING					
1) Facilities Inspected:					
a) Sampling or Non-sampling	4	1	8	40 ^[3]	53
b) Sampling	4	1	8	0	13
c) Non-sampling	4	1	8	40 ^[3]	53
2) Inspections Conducted:					
a) Sampling ^[1]	24	6	15 ^[2]	0	45
b) Non-sampling ^[1]	8	2	8	40 ^[3]	58
IV. ENFORCEMENT					
1) Subject to Any Enforcement Actions	0	0	0	0	0
2) Significant Violators Listed in the Newspaper	0	0	0	0	0
3) Notices of Violations Issued ^[1]	1	0	1	0	2
4) Administrative Orders Issued	0	0	0	0	0
5) Compliance Schedules Issued	0	0	0	0	0
6) Suits Filed:					
a) Civil	0	0	0	0	0
b) Criminal	0	0	0	0	0
7) Other Actions Taken	0	0	0	0	0
8) Penalties Collected:					
a) Facilities	0	0	0	0	0
b) Total Dollars	0	0	0	0	0

PRETREATMENT PERFORMANCE SUMMARY

Reporting Period: 01/01/21 to 12/31/21

Town of Hudson
Town Engineer
12 School Street
Hudson, NH 03051

Contact Person (Consultant):
Steven W. Reichert, PE
Fuss & O'Neill, Inc.
50 Commercial Street
Manchester, NH 03101
Phone: (603) 668-8223 x2130

¹List number of actions, not users.

²Includes G5 IR, LLC, began process discharge in October 2021.

³Includes Approved Sheet Metal, permit closed on June 10, 2021.

Notes:

- a. Group 1 industries are EPA categorical. Groups 2, 3 and 4 industries are non-categorical.
- b. Local discharge limit compliance issues were discussed informally with users at non-sampling inspections.

2021 PRETREATMENT PROGRAM ACTIVITIES SUMMARY

[illegible]



Appendix C

Sampling Summary Data

SIGNIFICANT INDUSTRIAL USER PERMIT VIOLATIONS SUMMARY
NON-SIGNIFICANT INDUSTRIAL USER PERMIT VIOLATIONS SUMMARY

2021 HUDSON INDUSTRIAL PRETREATMENT PROGRAM SIGNIFICANT INDUSTRIES VIOLATIONS SUMMARY

KEY

S = SIGNIFICANT NONCOMPLIANCE
I = INFREQUENT NONCOMPLIANCE

Qtr. 1	Qtr. 2
Qtr. 3	Qtr. 4

Group 1 Industries

Copper	Arsenic	2021 SUMMARY
--------	---------	-----------------

Granite Forge, LLC	I				I	2020 Copper Violation

JMD Industries, Inc. (One Park Ave.)					C	No Violations

JMD Industries, Inc. (4 Industrial Dr.)					C	No Violations

Masimo Semiconductor, Inc.			I	I	I	2021 Arsenic Violations

Group 2 Industries

Copper	Arsenic	2021 SUMMARY
--------	---------	-----------------

Morgan Advanced Materials					C	No Violations

2021 HUDSON INDUSTRIAL PRETREATMENT PROGRAM NON-SIGNIFICANT INDUSTRIES VIOLATIONS SUMMARY

KEY

S = SIGNIFICANT NONCOMPLIANCE

I = INFREQUENT NONCOMPLIANCE

Qtr. 1 Qtr. 2

Qtr. 3 Qtr. 4

Group 3 Industries		Copper	2021 SUMMARY	
BAE SYSTEMS (PTP-1)			C	No Violations
BAE SYSTEMS (PTP-2)			C	No Violations
Chomerics, Inc.			C	No Violations
FWM, Inc.			C	No Violations
G5 IR, LLC			C	No Violations
GT Advanced Technologies			C	No Violations
Heilind Electronics		I	I	2021 Copper Violation
Incon, Inc.			C	No Violations

Appendix D


Industrial Users Sampling Data

01/01/21- 12/31/21


Appendix D

Group 1 Industries


Town of Hudson - Industrial Pretreatment Program

Granite Forge	NOV Sent																						
Parameter	Local Limit	Categorical Monthly Average	Categorical One-Day Limit	Random 1/15/21	Random 4/27/21	Town Scheduled 5/4/21	Semi-Annual Self-Monitoring Day 1 6/14/21	Semi-Annual Self-Monitoring Day 2 6/15/21	Semi-Annual Self-Monitoring Day 3 6/16/21	Semi-Annual Self-Monitoring Day 4 6/17/21	Random 7/12/21	Random 10/13/21	Town Scheduled 11/2/21	Semi-Annual Self-Monitoring Day 1 12/6/21	Semi-Annual Self-Monitoring Day 2 12/7/21	Semi-Annual Self-Monitoring Day 3 12/8/21	Semi-Annual Self-Monitoring Day 4 12/9/21						
pH	6.0-10.5			6.73	7.13	7.36	7.25	7.73	7.31	7.87	6.67	6.99	6.41	7.08	7.21	7.52	7.44						
pH 2	6.0-10.5																						
pH 3	6.0-10.5																						
pH 4	6.0-10.5																						
BOD	250 mg/l																						
Oil and Grease	100 mg/l																						
T.T.O.	5.0 mg/l		2.13 mg/l							<1							<1						
TSS	300 mg/l																						
Caustic Alkalinity	75 mg/l																						
Phenols	0.83 mg/l																						
Arsenic	0.16 mg/l																						
Boron	17.48 mg/l																						
Cadmium	0.33 mg/l	0.07 mg/l	0.11 mg/l	<0.01	<0.01	<0.01	<0.0025	<0.0025	<0.0025	<0.0025	<0.01	<0.01	<0.01	<0.0025	<0.0025	<0.0025	<0.0025						
Chromium (Total)	1.85 mg/l	1.71 mg/l	2.77 mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						
Chromium (Hex)	1.85 mg/l																						
Copper	7.53 mg/l	2.07 mg/l	3.38 mg/l	0.957	0.799	0.378	0.217	0.176	0.165	0.173	0.196	0.070	0.070	0.124	0.082	0.0497	0.0709						
Lead	1.20 mg/l	0.43 mg/l	0.69 mg/l	<0.01	<0.01	<0.01	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	0.0066	<0.005	<0.005	<0.005						
Mercury	0.006 mg/l																						
Nickel	25.57 mg/l	2.38 mg/l	3.98 mg/l	<0.01	0.016	<0.01	<0.04	<0.04	<0.04	<0.04	<0.01	<0.01	<0.01	<0.04	<0.04	<0.04	<0.04						
Selenium	0.11 mg/l																						
Silver	0.05 mg/l	0.24 mg/l	0.43 mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01						
Cyanides (Total)	0.19 mg/l	0.65 mg/l	1.20 mg/l	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01	<0.02	<0.02	<0.02	<0.01	<0.01	<0.01	<0.01						
Sulfates	810 mg/l																						
Zinc	6.57 mg/l	1.48 mg/l	2.61 mg/l	0.293	0.648	0.382	0.326	0.209	0.192	0.210	0.381	0.101	0.205	0.409	0.202	0.0985	0.124						
Carbon Disulfide	1.17 mg/l																						
Chloroform	1.07 mg/l																						
Total Flow (gpd)	14,680			10	2 est.	2 est.						5 est.	50 est.										
Temp (C)	65																						
													Town Group: 1					Granite Forge					
													Federal Category: 40 CFR 433.17					2021 Sampling History					
																		Permit Number: 87-0160.2440					


Town of Hudson - Industrial Pretreatment Program

JMD Industries, Inc. (One Park Ave)	NOV Sent																								
Parameter	Local Limit	Categorical Monthly Average	Categorical One-Day Limit	Random 1/4-5/21	Random 4/15-16/21	IDR Sampling Effluent 4/15-16/21	IDR Sampling Influent 4/15-16/21	Limited Permit Sampling Effluent 4/15-16/21	Limited Permit Sampling Influent 4/15-16/21	Town Scheduled 5/3-4/21	Semi-Annual Self-Monitoring 5/17-18/21	Semi-Annual Self-Monitoring 5/18-19/21	Semi-Annual Self-Monitoring 5/19-20/21	Semi-Annual Self-Monitoring 5/20-21/21	Random 7/12-13/21	Random 10/25-26/21	Semi-Annual Self-Monitoring 11/1-2/21	Semi-Annual Self-Monitoring 11/2-3/21	Semi-Annual Self-Monitoring 11/3-4/21	Semi-Annual Self-Monitoring 11/4-5/21	Town Scheduled 11/8-9/21				
pH	6.0-10.5			9.31	8.47	8.47	6.48			8.79	8.82	8.70	8.65	8.56	8.21	9.60	9.72	9.29	9.78	9.67	9.72				
pH 2	6.0-10.5			9.29	8.64	8.64				8.78	8.74	8.67	8.74	8.60	8.20	9.66	9.85	9.40	9.81	9.68	9.75				
pH 3	6.0-10.5			9.31	8.65	8.65				8.86	8.74	8.85	8.71	8.60	8.46	9.71	9.89	9.48	9.83	9.52	9.72				
pH 4	6.0-10.5			9.42	8.78	8.78				8.81	8.68	8.93	8.78	8.64	8.60	9.60	9.75	9.50	9.88	9.58	9.77				
BOD	250 mg/l																								
Oil and Grease	100 mg/l										<5	<5	<5	<5			<5	<5	<5	<5					
T.T.O.	5.0 mg/l		2.13 mg/l			<1	<1				<1						<1								
TSS	300 mg/l										27.0	17.0	12.0	13.0			59.0	68.0	27.0	50.0					
Caustic Alkalinity	75 mg/l																								
Phenols	0.83 mg/l																								
Arsenic	0.16 mg/l							<0.1	<0.01																
Boron	17.48 mg/l																								
Cadmium	0.33 mg/l	0.07 mg/l	0.11 mg/l	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Chromium (Total)	1.85 mg/l	1.71 mg/l	2.77 mg/l	0.015	0.014			<0.01	0.432	0.011	0.047	<0.01	<0.01	<0.01	0.018	0.012	0.026	0.015	0.022	0.120	0.037				
Chromium (Hex)	1.85 mg/l																								
Copper	7.53 mg/l	2.07 mg/l	3.38 mg/l	0.013	<0.01					0.016	0.020	<0.01	0.017	0.014	0.020	0.036	0.032	0.058	0.054	0.041	0.034				
Lead	1.20 mg/l	0.43 mg/l	0.69 mg/l	<0.01	<0.01			<0.05	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Mercury	0.006 mg/l							<0.0002	<0.0002																
Nickel	25.57 mg/l	2.38 mg/l	3.98 mg/l	0.023	0.026					0.037	<0.01	0.034	0.031	0.023	0.012	0.021	0.018	0.028	0.023	0.017	0.021				
Selenium	0.11 mg/l							<0.1	<0.1																
Silver	0.05 mg/l	0.24 mg/l	0.43 mg/l	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01				
Cyanides (Total)	0.19 mg/l	0.65 mg/l	1.20 mg/l	<0.02	<0.02					<0.02	<0.18	<0.18	<0.18	<0.18	<0.02	<0.02	<0.18	<0.18	<0.18	<0.18	<0.02				
Sulfates	810 mg/l																								
Zinc	6.57 mg/l	1.48 mg/l	2.61 mg/l	0.014	0.012					<0.01	0.027	0.016	0.011	0.016	<0.01	0.029	0.018	0.023	0.012	0.020	0.015				
Carbon Disulfide	1.17 mg/l																								
Chloroform	1.07 mg/l																								
Total Flow (gpd)	14,680			11,495	12,972					11,788	13,988	10,636	10,931	11,791	11,325	6,928		9,867	8,573	11,977	9,115				
Temp (C)	65																								
												Town Group: 1					JMD Industries, Inc. (One Park Ave)								
												Federal Category: 40 CFR 433.17						2021 Sampling History							
																		Permit Number: 87-0160.0550							

Town of Hudson - Industrial Pretreatment Program

JMD Industries, Inc. (4 Industrial Ave.)	NOV Sent																									
Parameter	Local Limit	Categorical Monthly Average	Categorical One-Day Limit	Random 1/4-5/21	Random 4/15-16/21	Limited Permit 4/15-16/21	Town Scheduled 5/3-4/21	Semi-Annual Self-Monitoring 5/17-18/21	Semi-Annual Self-Monitoring 5/18-19/21	Semi-Annual Self-Monitoring 5/19-20/21	Semi-Annual Self-Monitoring 5/20-21/21	Random 7/12-13/21	Random 10/25-26/21	Semi-Annual Self-Monitoring 11/1-2/21	Semi-Annual Self-Monitoring 11/2-3/21	Semi-Annual Self-Monitoring 11/3-4/21	Semi-Annual Self-Monitoring 11/4-5/21	Town Scheduled 11/8-9/21								
pH	6.0-10.5			9.30	9.52		9.49	9.46	9.44	9.59	9.54	9.30	9.68	9.16	8.82	9.04	9.20	9.65								
pH 2	6.0-10.5			9.41	9.40		9.46	9.48	9.40	9.50	9.53	9.47	9.58	9.07	9.16	9.13	9.16	9.65								
pH 3	6.0-10.5			9.38	9.44		9.49	9.49	9.43	9.53	9.53	9.42	9.69	9.11	9.29	9.15	9.36	9.64								
pH 4	6.0-10.5			9.40	9.50		9.48	9.54	9.41	9.54	9.55	9.40	9.69	9.11	9.26	9.11	9.37	9.60								
BOD	250 mg/l																									
Oil and Grease	100 mg/l							<5	<5	<5	<5			<5	<5	<5	<5									
T.T.O.	5.0 mg/l		2.13 mg/l					<1						<1												
TSS	300 mg/l							5.00	4.00	5.00	<4			<4	<4	<4	<4									
Caustic Alkalinity	75 mg/l																									
Phenols	0.83 mg/l																									
Arsenic	0.16 mg/l					<0.1																				
Boron	17.48 mg/l																									
Cadmium	0.33 mg/l	0.07 mg/l	0.11 mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
Chromium (Total)	1.85 mg/l	1.71 mg/l	2.77 mg/l	0.012	0.046	0.032	0.310	0.038	0.049	0.050	0.023	0.013	0.024	0.027	0.063	0.010	0.03	0.017								
Chromium (Hex)	1.85 mg/l																									
Copper	7.53 mg/l	2.07 mg/l	3.38 mg/l	0.011	0.026		<0.01	<0.01	<0.01	<0.01	0.013	<0.01	<0.01	0.021	0.020	0.010	0.012	<0.01								
Lead	1.20 mg/l	0.43 mg/l	0.69 mg/l	<0.01	<0.01	<0.05	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
Mercury	0.006 mg/l					<0.0002																				
Nickel	25.57 mg/l	2.38 mg/l	3.98 mg/l	<0.01	<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
Selenium	0.11 mg/l					<0.1																				
Silver	0.05 mg/l	0.24 mg/l	0.43 mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01								
Cyanides (Total)	0.19 mg/l	0.65 mg/l	1.20 mg/l	<0.02	<0.02		<0.02	<0.18	<0.18	<0.18	<0.18	<0.02	<0.02	<0.18	<0.02	<0.18	<0.18	<0.02								
Sulfates	810 mg/l																									
Zinc	6.57 mg/l	1.48 mg/l	2.61 mg/l	0.086	0.363		0.365	0.165	0.271	0.251	0.136	0.178	0.143	0.365	0.567	0.154	0.385	0.141								
Carbon Disulfide	1.17 mg/l																									
Chloroform	1.07 mg/l																									
Total Flow (gpd)	26,410			10,691	11,077		11,342	11,098	8,642	8,089	6,503	9,345	13,336	9,622	14,532	11,934	9,911	9,219								
Temp (C)	65																									
 FUSS & O'NEILL														Town Group: 1				JMD Industries, Inc. (4 Industrial Ave.)								
														Federal Category: 40 CFR 433.17			2021 Sampling History									
																			Permit Number: 87-0160.1550							


Town of Hudson - Industrial Pretreatment Program

Masimo Semiconductor, Inc.	NOV Sent																					
Parameter	Local Limit	Categorical 30-Day Average	Categorical One-Day Maximum	Random 1/4-5/21	Semi Annual Self Monitoring Day 1 of 4 1/11-12/21	Semi Annual Self Monitoring Day 2 of 4 1/12-13/21	Semi Annual Self Monitoring Day 3 of 4 1/13-14/21	Semi Annual Self Monitoring Day 4 of 4 1/14-15/21	Arsenic Resample 2/1-2/21	Arsenic Resample 2/3-4/21	Arsenic Resample 2/4-5/21	Arsenic Resample 2/8-9/21	Random 4/5-6/21	Town Scheduled 5/3-4/21	Random 7/6-7/21	Semi Annual Self Monitoring Day 1 of 4 7/19-20/21	Semi Annual Self Monitoring Day 2 of 4 7/20-21/21	Semi Annual Self Monitoring Day 3 of 4 7/21-22/21	Semi Annual Self Monitoring Day 4 of 4 7/22-23/21	Random 10/13/21	Town Scheduled 11/8-9/21	
pH 1	6.0-10.5			7.67	7.32	7.25	7.02	7.18					7.52	7.97	7.34	7.16	7.24	7.28	7.20	7.23	7.76	
pH 2	6.0-10.5			7.52	7.30	7.21	7.14	7.26					7.51	7.83	7.32	7.17	7.24	7.23	7.21	7.41	7.67	
pH 3	6.0-10.5			7.40	7.36	7.19	7.07	7.20					7.51	7.67	7.31	7.21	7.21	7.15	7.16	7.26	7.57	
pH 4	6.0-10.5			7.40	7.35	7.22	7.06	7.23					7.50	7.65	7.33	7.21	7.24	7.13	7.19	7.39	7.54	
BOD	250 mg/l																					
Oil and Grease	100 mg/l																					
T.T.O.	5.0 mg/l		1.37 mg/l		<1											<1						
TSS	300 mg/l																					
Caustic Alkalinity	75 mg/l																					
Phenols	0.83 mg/l																					
Arsenic	0.16 mg/l	0.83mg/l	2.09 mg/l	<0.1	<0.1	0.5130	0.2680	0.1320	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	
Boron	17.48 mg/l			5.88	4.01								4.85	3.11	4.74	5.73				5.29	2.73	
Cadmium	0.33 mg/l																					
Chromium (Total)	1.85 mg/l			2.97																		
Chromium (Hex)	1.85 mg/l																					
Copper	7.53 mg/l												1.04	0.766	0.468					0.692	1.16	
Lead	1.20 mg/l																					
Mercury	0.006 mg/l			<0.001									<0.0001	<0.0001	<0.0001					<0.0001	<0.0001	
Nickel	25.57 mg/l																					
Selenium	0.11 mg/l																					
Silver	0.05 mg/l			<0.01									<0.01	<0.01	<0.01					<0.01	<0.01	
Cyanides (Total)	0.19 mg/l			<0.02									<0.02	<0.02	<0.02					<0.02	<0.02	
Sulfates	810 mg/l																					
Zinc	6.57 mg/l			0.057									0.084	0.018	0.046					0.061	0.076	
Carbon Disulfide	1.17 mg/l																					
Chloroform	1.07 mg/l																					
Total Flow (gpd)	4,350			1,294	1,343	1,384	1,973	1,237					2,335	1,591	1,397	1,678	1,742	1,207	781	1,366	2,308	
Temp. (C)	65																					
													Town Group: 1				Masimo Semiconductor, Inc.					
													Federal Category: 40 CFR 469				2020 Sampling History					
																	Permit Number: 87-0160.1220					

APPENDIX D


Group 2 Industries

Town of Hudson - Industrial Pretreatment Program


Morgan Advanced Materials	NOV Sent																				
Parameter	Local Limit	Random pH Adjust Tank 001 1/4-5/21	Random Cooling Tank 002 1/5/21	Random pH Adjust Tank 001 4/5-6/21	Random Cooling Tank 002 4/6/21	Town Scheduled pH Adjust Tank 001 5/3-4/21	Town Scheduled Cooling Tank 002 5/4/21	Semi Annual pH Adjust Tank 001 Day 1 of 2 5/17-18/21	Semi Annual Cooling Tank 002 Day 1 of 2 5/17-18/21	Semi Annual pH Adjust Tank 001 Day 2 of 2 5/18-19/21	Semi Annual Cooling Tank 002 Day 2 of 2 5/18-19/21	Random pH Adjust Tank 001 7/6-7/21	Random Cooling Tank 002 7/7/21	Random pH Adjust Tank 001 10/4-5/21	Random Cooling Tank 002 10/5/21	Semi Annual pH Adjust Tank 001 Day 1 of 2 11/1-2/21	Semi Annual Cooling Tank 002 Day 1 of 2 11/2/21	Semi Annual pH Adjust Tank 001 Day 2 of 2 11/2-3/21	Semi Annual Cooling Tank 002 Day 2 of 2 11/3/21	Town Scheduled pH Adjust Tank 001 11/8-9/21	Town Scheduled Cooling Tank 002 11/9/21
pH	6.0-10.5	7.90	8.25	8.14	8.44	7.92	8.33	8.30	8.47	8.31	8.40	8.36	8.14	8.23	8.44	8.05	8.47	8.32	7.63	8.58	8.44
pH 2	6.0-10.5	8.21	8.38	8.38	8.56	8.22	8.49	8.76	8.52	8.60	8.45	8.72	8.42	8.27	8.57	8.20	8.48	8.15	8.51	8.53	8.45
pH 3	6.0-10.5	8.16	8.28	8.36	8.56	7.56	8.55	8.70	8.47	8.66	8.44	8.69	8.39	8.11	8.66	8.17	8.47	8.26	8.61	8.54	8.42
pH 4	6.0-10.5	8.27	8.26	8.43	8.51	8.58	8.62	8.69	8.57	8.59	8.54	8.62	8.43	8.20	8.68	8.21	8.56	8.28	8.53	8.53	8.42
BOD	250 mg/l	<3	<3	8.01	<3	3.87	<3					9.42	<3	<3	<3					<6	<6
Oil and Grease	100 mg/l																				
T.T.O.	5.0 mg/l																				
TSS	300 mg/l	61.0	<4	6.00	<4	19.0	<4					52.0	<4	75.0	<4					292	<4
Caustic Alkalinity	75 mg/l																				
Phenols	0.83 mg/l																				
Arsenic	0.16 mg/l																				
Boron	17.48 mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Cadmium	0.33 mg/l																				
Chromium (Total)	1.85 mg/l																				
Chromium (Hex)	1.85 mg/l																				
Copper	7.53 mg/l																				
Lead	1.20 mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01	<0.01	0.0819			<0.01	<0.01
Mercury	0.006 mg/l																				
Nickel	25.57 mg/l																				
Selenium	0.11 mg/l																				
Silver	0.05 mg/l	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01					<0.01	<0.01	<0.01	<0.01					<0.01	<0.01
Cyanides (Total)	0.19 mg/l	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
Sulfates	810 mg/l																				
Zinc	6.57 mg/l	0.082	0.041	0.053	0.041	0.040	0.018	0.071	0.023			0.087	0.042	0.045	0.045	0.090	0.064			0.292	0.054
Carbon Disulfide	1.17 mg/l																				
Chloroform	1.07 mg/l																				
Temperature(C)	65	19.4	21.9	17.4	19.5	15.9	21.8	19.1	21.9	18.9	24.9	23.7	25.6	29.7	24.6	26.3	24.8	25.8	23.9		
Temperature(C)2	65	19.5	21.8	17.1	19.5	16.2	21.8	19.2	22.1	18.6	25.2	23.5	25.6	29.9	24.7	26.4	24.8	26.4	24.3		
Temperature(C)3	65	19.4	21.9	17.1	19.7	16.0	21.6	19.1	21.9	18.6	24.7	23.3	25.5	29.9	24.7	26.1	24.5	26.1	24.5		
Temperature(C)4	65	19.6	21.9	17.1	19.8	16.2	21.8	19.3	22.1	18.7	25.2	23.6	25.5	30.0	24.8	26.3	24.5	26.2	24.4		
Total Flow (gpd)*	18,000	900		920		4,150		1,500		6,820		3,410		12,688		15,963		16,296		1,126	
													Town Group: 2			Morgan Advanced Materials					
													Federal Category: N/A			2021 Sampling History					
																Permit Number: 870160.0540					

APPENDIX D


Group 3 Industries

BAE SYSTEMS (PTP-1)	NOV Sent								
Parameter	Local Limit	Random 4/5-6/21	Random 10/25-26/21						
pH	6.0-10.5	8.67	8.59						
pH 2	6.0-10.5	8.71	8.67						
pH 3	6.0-10.5	8.74	8.71						
pH 4	6.0-10.5	8.74	8.71						
BOD	250 mg/l	<3	<3						
Oil and Grease	100 mg/l								
T.T.O.	5.0 mg/l								
TSS	300 mg/l	<4	<4						
Caustic Alkalinity	75 mg/l								
Phenols	0.83 mg/l								
Arsenic	0.16 mg/l								
Boron	17.48 mg/l								
Cadmium	0.33 mg/l								
Chromium (Total)	1.85 mg/l								
Chromium (Hex)	1.85 mg/l								
Copper	7.53 mg/l	0.081	0.033						
Lead	1.20 mg/l								
Mercury	0.006 mg/l								
Nickel	25.57 mg/l								
Selenium	0.11 mg/l								
Silver	0.05 mg/l								
Cyanides (Total)	0.19 mg/l								
Sulfates	810 mg/l								
Zinc	6.57 mg/l	1.05	1.76						
Carbon Disulfide	1.17 mg/l								
Chloroform	1.07 mg/l								
Total Flow (gpd)	3,024	793	951						
Temp. (C)	65								
 FUSS & O'NEILL		Town Group: 3		BAE SYSTEMS (PTP-1)					
		Federal Category: N/A		2021 Sampling History					
				Permit Number: 87-0160.0130					


Town of Hudson - Industrial Pretreatment Program

BAE SYSTEMS (PTP-2)	NOV Sent								
Parameter	Local Limit	Cooling Tower (001) Random 4/5-6/21	Lab Wash Down (002) Random 4/6/21	Cooling Tower (001) Random 10/25-26/22	Lab Wash Down (002) Random 10/26/21				
pH	6.0-10.5	8.60	6.88	8.62	8.06				
pH 2	6.0-10.5	8.69		8.67					
pH 3	6.0-10.5	8.68		8.57					
pH 4	6.0-10.5	8.74		8.70					
BOD	250 mg/l	<3	8.37	<3	<3				
Oil and Grease	100 mg/l								
T.T.O.	5.0 mg/l								
TSS	300 mg/l	<4	12.0	<4	30.0				
Caustic Alkalinity	75 mg/l								
Phenols	0.83 mg/l								
Arsenic	0.16 mg/l								
Boron	17.48 mg/l								
Cadmium	0.33 mg/l								
Chromium (Total)	1.85 mg/l								
Chromium (Hex)	1.85 mg/l								
Copper	7.53 mg/l	0.102	0.855	0.039	0.186				
Lead	1.20 mg/l	<0.01	0.0530	<0.01	0.0130				
Mercury	0.006 mg/l								
Nickel	25.57 mg/l								
Selenium	0.11 mg/l								
Silver	0.05 mg/l								
Cyanides (Total)	0.19 mg/l								
Sulfates	810 mg/l								
Zinc	6.57 mg/l	1.000	1.03	0.777	0.312				
Carbon Disulfide	1.17 mg/l								
Chloroform	1.07 mg/l								
Total Flow (gpd)	6180	681		218					
Temp. (C)	65								
 FUSS & O'NEILL		Town Group: 3			BAE SYSTEMS (PTP-2)				
		Federal Category: N/A			2021 Sampling History				
					Permit Number: 87-0160.1130				


Town of Hudson - Industrial Pretreatment Program

Chomerics, Inc.	NOV Sent								
Parameter	Local Limit	Random 4/5-6/21	Random 10/14-15/21						
pH	6.0-10.5	7.47	7.79						
pH 2	6.0-10.5	7.43	7.78						
pH 3	6.0-10.5	7.37	7.83						
pH 4	6.0-10.5	7.52	7.87						
BOD	250 mg/l								
Oil and Grease	100 mg/l								
T.T.O.	5.0 mg/l								
TSS	300 mg/l								
Caustic Alkalinity	75 mg/l								
Phenols	0.83 mg/l								
Arsenic	0.16 mg/l								
Boron	17.48 mg/l								
Cadmium	0.33 mg/l								
Chromium (Total)	1.85 mg/l								
Chromium (Hex)	1.85 mg/l								
Copper	7.53 mg/l	1.04	0.660						
Lead	1.20 mg/l	<0.01	<0.01						
Mercury	0.006 mg/l								
Nickel	25.57 mg/l								
Selenium	0.11 mg/l								
Silver	0.05 mg/l								
Cyanides (Total)	0.19 mg/l								
Sulfates	810 mg/l	441	471						
Zinc	6.57 mg/l								
Carbon Disulfide	1.17 mg/l								
Chloroform	1.07 mg/l								
Temp. (C)	65								
Flow (gpd)	1589	300	100						
 FUSS & O'NEILL		Town Group: 3			Chomerics, Inc.				
		Federal Category: N/A			2021 Sampling History				
					Permit Number: 87-0160.0450				


Town of Hudson - Industrial Pretreatment Program

FWM, Inc.	NOV Sent					
Parameter	Local Limit	Cleanout In Washroom Random 4/12-13/21	Drain In Steam Cleaning Random 4/12-13/21	Cleanout In Washroom Random 10/13-14/21	Drain In Steam Cleaning Random 10/13-14/21	
pH	6.0-10.5	7.07	7.39	7.63	7.40	
pH 2	6.0-10.5	7.09	7.34	7.83	7.69	
pH 3	6.0-10.5	7.29	7.71	7.74	7.80	
pH 4	6.0-10.5	7.26	7.67		7.85	
BOD	250 mg/l					
Oil and Grease	100 mg/l	<5	<5	<5	40.3	
T.T.O.	5.0 mg/l					
TSS	300 mg/l					
Caustic Alkalinity	75 mg/l					
Phenols	0.83 mg/l					
Arsenic	0.16 mg/l					
Boron	17.48 mg/l					
Cadmium	0.33 mg/l					
Chromium (Total)	1.85 mg/l					
Chromium (Hex)	1.85 mg/l					
Copper	7.53 mg/l	0.040	0.044	<0.01	0.015	
Lead	1.20 mg/l					
Mercury	0.006 mg/l					
Nickel	25.57 mg/l					
Selenium	0.11 mg/l					
Silver	0.05 mg/l					
Cyanides (Total)	0.19 mg/l					
Sulfates	810 mg/l					
Zinc	6.57 mg/l	0.044	0.055	0.060	0.086	
Carbon Disulfide	1.17 mg/l					
Chloroform	1.07 mg/l					
Total Flow (gpd)	2782	513	656		433	
Temp. (C)	65					
 FUSS & O'NEILL		Town Group: 3		FWM, Inc.		
		Federal Category: N/A		2021 Sampling History		
				Permit Number: 87-0160.0690		


Town of Hudson - Industrial Pretreatment Program

G5 IR, LLC	NOV Sent					
Parameter	Local Limit	Random 10/26/21				
pH	6.0-10.5	7.55				
pH 2	6.0-10.5					
pH 3	6.0-10.5					
pH 4	6.0-10.5					
BOD	250 mg/l					
Oil and Grease	100 mg/l	<5				
T.T.O.	5.0 mg/l					
TSS	300 mg/l	8.00				
Caustic Alkalinity	75 mg/l					
Phenols	0.83 mg/l					
Arsenic	0.16 mg/l					
Boron	17.48 mg/l					
Cadmium	0.33 mg/l					
Chromium (Total)	1.85 mg/l					
Chromium (Hex)	1.85 mg/l					
Copper	7.53 mg/l	0.056				
Lead	1.20 mg/l					
Mercury	0.006 mg/l					
Nickel	25.57 mg/l					
Selenium	0.11 mg/l					
Silver	0.05 mg/l					
Cyanides (Total)	0.19 mg/l					
Sulfates	810 mg/l					
Zinc	6.57 mg/l	0.155				
Carbon Disulfide	1.17 mg/l					
Chloroform	1.07 mg/l					
Total Flow (gpd)	60	20-30 est.				
Temp. (C)	65					
 FUSS&O'NEILL		Town Group: 3		G5 IR, LLC		
		Federal Category: N/A		2021 Sampling History		
				Permit Number: 87-0160.2650		


Town of Hudson - Industrial Pretreatment Program

GT Advanced Technologies	NOV Sent								
Parameter	Local Limit	Cooling Tower Drain (1) Random 4/12-13/21	Fabrication Room Drain (2) Random 4/12-13/21	Cooling Tower Drain (1) Random 10/14-15/21	Fabrication Room Drain (2) Random 10/14-15/21				
pH	6.0-10.5	7.36	7.38	6.08	8.33				
pH	6.0-10.5	6.95	7.14	6.88	8.46				
pH	6.0-10.5	7.09	7.26	6.89	8.24				
pH	6.0-10.5	7.05	7.21	7.08	8.24				
BOD	250 mg/l								
Oil and Grease	100 mg/l								
T.T.O.	5.0 mg/l								
TSS	300 mg/l	5.00	5.00	<4	4.00				
Caustic Alkalinity	75 mg/l								
Phenols	0.83 mg/l								
Arsenic	0.16 mg/l	<0.1	<0.1						
Boron	17.48 mg/l	<0.5	<0.5	<0.5	<0.5				
Cadmium	0.33 mg/l	<0.01	<0.01						
Chromium (Total)	1.85 mg/l	<0.01	<0.01						
Chromium (Hex)	1.85 mg/l								
Copper	7.53 mg/l	0.976	0.103	0.676	0.012				
Lead	1.20 mg/l	<0.01	<0.01						
Mercury	0.006 mg/l	<0.0001	<0.0001						
Nickel	25.57 mg/l	0.922	0.029	0.089	<0.01				
Selenium	0.11 mg/l	<0.1	<0.1						
Silver	0.05 mg/l	<0.01	<0.01	<0.01	<0.01				
Chlorides	NONE								
Cyanides (Total)	0.19 mg/l	<0.02	<0.02	<0.02	<0.02				
Sulfates	810 mg/l								
Zinc	6.57 mg/l	0.661	0.04	1.69	0.029				
Hydrogen Sulfide	0.550 mg/l								
Carbon Disulfide	1.17 mg/l								
Chloroform	1.07 mg/l								
Total Flow (gpd)	40/55	10 est.	5 est.	69	69				
Temp. (C)	65	18.9	18.3	23.1	29.7				
Temp. (C)	65	21.6	17.4	23.4	24.8				
Temp. (C)	65	21.0	17.9	23.4	28.4				
Temp. (C)	65	21.0	18.4	23.6	23.7				
 FUSS & O'NEILL				Town Group: 3		GT Advanced Technologies			
				Federal Category: N/A		2021 Sampling History			
						Permit Number: 87-0160.2620			

Town of Hudson - Industrial Pretreatment Program

Heilind Electronics	NOV Sent	5/21/2021				
Parameter	Local Limit	Random 4/27/21	Copper Retest 5/27/21	Copper Retest 6/7/21	Copper Retest 6/16/21	Random 10/4/21
pH	6.0-10.5	8.90				9.01
BOD	250 mg/l					
Oil and Grease	100 mg/l					
T.T.O.	5.0 mg/l					
TSS	300 mg/l					
Caustic Alkalinity	75 mg/l					
Phenols	0.83 mg/l					
Arsenic	0.16 mg/l					
Boron	17.48 mg/l					
Cadmium	0.33 mg/l					
Chromium (Total)	1.85 mg/l	0.015				0.016
Chromium (Hex)	1.85 mg/l					
Copper	7.53 mg/l	10.6	5.10	1.98	3.29	3.77
Lead	1.20 mg/l					
Mercury	0.006 mg/l					
Nickel	25.57 mg/l					
Selenium	0.11 mg/l					
Silver	0.05 mg/l					
Chlorides	NONE					
Cyanides (Total)	0.19 mg/l					
Sulfates	810 mg/l	114				121
Zinc	6.57 mg/l	0.082				0.072
Carbon Disulfide	1.17 mg/l					
Chloroform	1.07 mg/l					
Total Flow (gpd)	5					5 est.
Temp. (C)	65					
 FUSS & O'NEILL		Town Group: 3		Heilind Electronics		
		Federal Category: N/A		2021 Sampling History		
				Permit Number: 87-0160.1530		

Town of Hudson - Industrial Pretreatment Program


Incon, Inc.	NOV Sent								
Parameter	Local Limit	Random 4/27/20	Random 10/15/21						
pH	6.0-10.5	6.66	6.37						
pH2	6.0-10.5								
pH3	6.0-10.5								
pH4	6.0-10.5								
BOD	250 mg/l								
Oil and Grease	100 mg/l								
T.T.O.	5.0 mg/l								
TSS	300 mg/l								
Caustic Alkalinity	75 mg/l								
Phenols	0.83 mg/l								
Arsenic	0.16 mg/l								
Boron	17.48 mg/l								
Cadmium	0.33 mg/l								
Chromium (Total)	1.85 mg/l								
Chromium (Hex)	1.85 mg/l								
Copper	7.53 mg/l	0.050	0.052						
Lead	1.20 mg/l	0.0170	0.0230						
Mercury	0.006 mg/l								
Nickel	25.57 mg/l								
Selenium	0.11 mg/l								
Silver	0.05 mg/l	<0.01	<0.01						
Chlorides	NONE								
Cyanides (Total)	0.19 mg/l								
Sulfates	810 mg/l								
Zinc	6.57 mg/l	0.496	1.81						
Carbon Disulfide	1.17 mg/l								
Chloroform	1.07 mg/l								
Total Flow (gpd)	20	10 est.	10 est.						
Temp. (C)	65								
		Town Group: 3			Incon, Inc.				
		Federal Category: N/A			2021 Sampling History				
					Permit Number: 87-0160.1350				

Appendix E


River Crossing Sampling Results

Main Flume, River Road
and
Secondary Flume, Pope Technical Park (BAE Systems), River Road

Town of Hudson - Industrial Pretreatment Program

Main Flume	Sent to NWWTF								
Parameter	Local Limit	3 Parameter 2/8-9/21	3 Parameter 4/12-13/21	Broad Range 6/14-15/21	3 Parameter 8/2-3/21	3 Parameter 10/4-5/21	Broad Range 12/13-14/21		
pH 1	6.0-10.5	7.65	7.56	7.49	7.53	7.86	7.38		
pH 2	6.0-10.5	7.63	7.64	7.51	7.45	7.92	7.51		
pH 3	6.0-10.5	7.63	7.74	7.46	7.54	7.86	7.48		
pH 4	6.0-10.5	7.65	7.74	7.48	7.58	7.75	7.56		
BOD	250 mg/l	123	105	231	74.7	70.8	190		
Oil and Grease	100 mg/l			25.4			34.6		
T.T.O.	5.0 mg/l			<1			<1		
TSS	300 mg/l	56.0	50.0	225	41.0	43.0	180		
Caustic Alkalinity	75 mg/l			<1			<1		
Phenols	0.83 mg/l			0.061			<0.05		
Arsenic	0.16 mg/l			<0.1			<0.1		
Boron	17.48 mg/l			<0.5			<0.5		
Cadmium	0.33 mg/l			<0.01			<0.01		
Chromium (Total)	1.85 mg/l			<0.01			<0.01		
Chromium (Hex)	1.85 mg/l								
Copper	7.53 mg/l			0.072			0.065		
Lead	1.20 mg/l			<0.01			<0.01		
Mercury	0.006 mg/l			<0.0001			<0.0001		
Nickel	25.57 mg/l			<0.01			<0.01		
Selenium	0.11 mg/l			<0.1			<0.1		
Silver	0.05 mg/l			<0.01			<0.01		
Chlorides	1000 mg/l								
Cyanides (Total)	0.19 mg/l			<0.02			<0.02		
Sulfates	810 mg/l			60.0			36.3		
Sulfides	NONE			<0.1			<0.5		
Zinc	6.57 mg/l			0.139			0.235		
Carbon Disulfide	1.17 mg/l			<0.01			<0.01		
Chloroform	1.07 mg/l			<0.01			<0.01		
Total Flow (gpd)		997,000	1,040,000	1,067,000	1,359,000	1,218,000	1,144,000		
Temp. (C)	65								
 FUSS & O'NEILL						Main Flume			
						2021 Sampling History			
						Reference Number 87-0160.0980			

Town of Hudson - Industrial Pretreatment Program

Secondary Flume	Sent to NWWTF						
Parameter	Local Limit	3 Parameter 2/8-9/21	Broad Range 6/14-15/21	3 Parameter 8/2-3/21	Broad Range 12/13-14/21		
pH 1	6.0-10.5	8.84	8.63	8.66	8.48		
pH 2	6.0-10.5	8.77	8.64	8.71	8.55		
pH 3	6.0-10.5	8.76	8.66	8.72	8.58		
pH 4	6.0-10.5	8.78	8.69	8.77	8.63		
BOD	250 mg/l	165	101	85.7	152		
Oil and Grease	100 mg/l		14.8		27.0		
T.T.O.	5.0 mg/l		<1		<1		
TSS	300 mg/l	79.0	60.0	41.0	110.0		
Caustic Alkalinity	75 mg/l		<1		<1		
Phenols	0.83 mg/l		<0.05		<0.05		
Arsenic	0.16 mg/l		<0.1		<0.1		
Boron	17.48 mg/l		<0.5		<0.5		
Cadmium	0.33 mg/l		<0.01		<0.01		
Chromium (Total)	1.85 mg/l		<0.01		<0.01		
Chromium (Hex)	1.85 mg/l						
Copper	7.53 mg/l		0.157		0.093		
Lead	1.20 mg/l		<0.01		<0.01		
Mercury	0.006 mg/l		<0.001		<0.0001		
Nickel	25.57 mg/l		<0.01		<0.01		
Selenium	0.11 mg/l		<0.1		<0.1		
Silver	0.05 mg/l		<0.01		<0.01		
Cyanides (Total)	0.19 mg/l		<0.02		<0.02		
Sulfates	810 mg/l		114		22.1		
Sulfides	NONE		<0.1		<0.5		
Zinc	6.57 mg/l		0.296		0.514		
Carbon Disulfide	1.17 mg/l		<0.01		<0.01		
Chloroform	1.07 mg/l		<0.01		<0.01		
Total Flow (gpd)		7,787	9,645	10,598	8,735		
Temp. (C)	65						
 FUSS & O'NEILL				Secondary Flume			
				2021 Sampling History			
				Reference Number: 87-0160.0970			



Appendix F

USEPA Pretreatment Annual Report Summary

EPA Region 1 Annual Pretreatment Report Summary Sheet December 2021

POTW Name:	Nashua Wastewater Treatment Facility - Hudson		
	NH0100170		
NPDES Permit #:	January 1, 2021		
Pretreatment Report Period Start Date:			
	December 31, 2021		
Pretreatment Report Period End Date:			
# of Significant Industrial Users (SIUs):	5		
# of SIUs Without Control Mechanisms:	0		
# of SIUs not Inspected:	0		
# of SIUs not Sampled:	0		
# of SIUs in Significant Noncompliance (SNC) with Pretreatment Standards:	0		
# of SIUs in SNC with Reporting Requirements:	0		
# of SIUs in SNC with Pretreatment Compliance Schedule:	0		
# of SIUs in SNC (to be) Published in Newspaper:	0		
# of SIUs with Compliance Schedules:	0		
# of Violation Notices Issued to SIUs:	0		
# of Administrative Orders Issued to SIUs:	0		
# of Civil Suits Filed Against SIUs:	0		
# of Criminal Suits Filed Against SIUs:	0		
# of Categorical Industrial Users (CIUs):	4		
# of CIUs in SNC:	0		

Penalties

Total Dollar Amount of Penalties Collected \$ 0

of IUs from which Penalties have been collected: 0

Local Limits

Date of Most Recent Technical Evaluation of Local Limits: 12/30/99

Date of Most Recent Adoption of Technically Based Local Limits: 5/28/02

Pollutant	Limit (mg/l)	MAHL (lb/day)
pH	6.0-10.5	
BOD	250 mg/l	
Oil and Grease	100 mg/l	
T.T.O.	5.0 mg/l	
TSS	300 mg/l	
Caustic Alkalinity	75 mg/l	
Phenols	0.83 mg/l	
Arsenic	0.16 mg/l	
Boron	17.48 mg/l	
Cadmium	0.33 mg/l	
Chromium (Total)	1.85 mg/l	
Chromium (Hex)	1.85 mg/l	
Copper	7.53 mg/l	
Lead	1.20 mg/l	
Mercury	0.006 mg/l	
Nickel	25.57 mg/l	
Selenium	0.11 mg/l	
Silver (Non-Photoprocessors)	0.05 mg/l	
(Photoprocessors)	1.89 mg/l	
Cyanides (Total)	0.19 mg/l	
Sulfates	810 mg/l	
Zinc	6.57 mg/l	
Hydrogen Sulfide	0.55 mg/l	
Carbon Disulfide	1.17 mg/l	
Chloroform	1.07 mg/l	